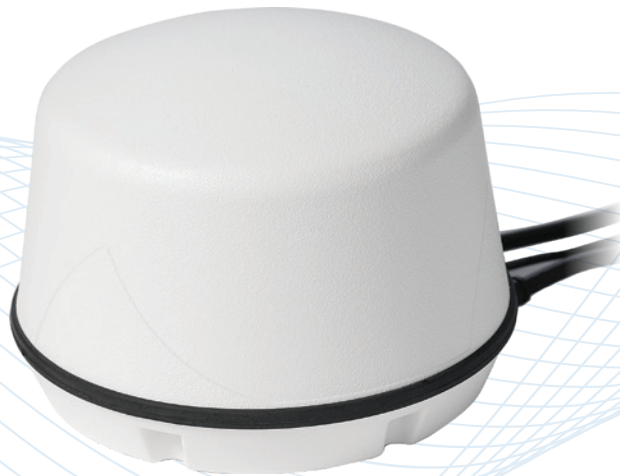


LTE MIMO Multiband Antenna With Magnetic Base

Cellular Antennas (5G, LTE, CBRS, 3G, 2G) –
Low Profile Whipless

BPCTHPDLTE-SF-MM, PCTHPDLTE-SF-MM



Description

Magnetic LTE MIMO multiband antenna provides optimal 4G LTE MIMO coverage in a single, low-profile housing.

Technologies

- 4G LTE MIMO Cellular

Features

- No tune, multiband coverage
- Easy installation using heavy-duty magnets
- UV-resistant black or white housing options
- Uses high performance, low loss cable and high quality connectors
- IP67 compliant design provides maximum protection against water or dust ingress



BPCTHPDLTE-SF-MM

LTE MIMO Multiband Antenna With Magnetic Base

Cellular Antennas (5G, LTE, CBRS, 3G, 2G) – Low Profile Whipless

PCTEL's magnetic LTE MIMO multiband antenna provides optimal LTE MIMO coverage in a single, low-profile housing.

Features

- No tune, multi-band coverage: 4G LTE
- Magnetically mounted using heavy-duty internal rare earth magnets
- Rubber pad on the bottom of the antenna prevents slippage and protects the mounting surface
- Attractive low-profile housing for added overhead clearance
- IP67 compliant design provides maximum protection against water or dust ingress under severe environmental conditions¹
- High performance, low loss cable and high quality connectors for maximum RF system efficiency
- UV-resistant black or white housing options complement most vehicular aesthetic requirements

Certifications



¹When properly installed on a vehicle rooftop per PCTEL installation instructions.

LTE MIMO Multiband Antenna With Magnetic Base

Cellular Antennas (5G, LTE, CBRS, 3G, 2G) – Low Profile Whipless

Standard Configurations

Model	Elements	Cable	Connector	Mount	Housing Color
PCTHPDLTE-SF-MM	4G LTE (1 & 2)	Two-17 feet RG-58 (DBL) (LTE Elements)	SMA Plug	Magnetic Mount	White
BPCTHPDLTE-SF-MM	4G LTE (1 & 2)	Two-17 feet RG-58 (DBL) (LTE Elements)	SMA Plug	Magnetic Mount	Black

Electrical Specifications – RF Antennas (All Models)

F1 (MHz)	F2 (MHz)	SWR ¹	Gain (dB) ²			Efficiency ²		Polarization	Nominal Impedance	Maximum Power
			Max	Typical	Range (±)	Avg	Range (±)			
LTE 1 & 2										
617	698	2.4	3.8	2.4	1.4	55%	19%	Linear	50 ohms	50 watts
698	802	1.7	5.2	4.1	1.1	68%	6%			
824	960	1.3	6.2	4.3	1.9	61%	12%			
1710	2200	15	7.5	6.0	15	78%	11%			
2300	2690	1.6	8.9	7.1	1.8	78%	8%			
3400	3800	1.9	5.4	4.7	0.6	57%	5%			
5150	5950	1.7	8.1	6.8	1.3	59%	10%			

Mechanical and Environmental Specifications (All Models)

Specification	Measurement
Dimensions (D x H)	5.2 x 3.4 in (132 x 94 mm)
Radome and Baseplate Construction	White or Black, UV-Stable Rugged Thermoplastics
Temperature Range	-40°C to +85°C
Gasket Design and Construction	Anti-skid liner installed at contact surface to ensure a high friction and mar-free magnetic mount.
Ingress Protection	IP67 ¹

¹ When properly installed on a vehicle rooftop per PCTEL installation instructions.

² Measurements taken with 17-ft cable and 2-ft ground plane.

³ Measurements taken with at the base of the antenna (no cable included).

CONTACT US

**For more information about
this product contact your
sales representative or visit
> pctel.com/antenna-products**

Solving Complex Wireless Challenges

PCTEL, an Amphenol company, is a leading global provider of wireless technology solutions, including purpose-built antenna systems and test and measurement products. Trusted by our customers for decades, we solve complex wireless challenges to help organizations stay connected, transform, and grow.



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